

### **Amendments to the Drawing Figures**

Please add the new drawings Figs. 28, 29, 30, 31 and 32 in Enclosure A. Applicant hereby declares that the new drawings Figs. 28, 29, 30, 31 and 32 include no new matter.

## **REMARKS - General**

### **1. Remarks concerning the amendments to the specification**

Item 1 of the amendments to the specification, includes brief explanation of the drawings Figs. 25A, 25B, 26, 27A and 27B that were previously added to the application. It also includes brief explanation of the drawings Figs. 28, 29, 30, 31 and 32 that are currently added in this amendment.

Items 2, 4-6, 10 of the amendments to the specification, include brief references to the drawings Figs. 25A, 25B, 26, 27A and 27B that were previously added to the application. They also include brief references to the drawings Figs. 28, 29, 30, 31 and 32 that are currently added in this amendment.

Items 3, 7, 8 and 9 of the amendments to the specification, correct obvious mistakes.

Applicant hereby declares that the current amendments to the specification do not add new matter.

### **2. Remarks concerning the amendments to the drawings**

The new sheet drawing Fig. 28 in Enclosure A shows two lists of reference periods and a table of the adjusted lengths of the periods of the processes in Example A, pages 56-58 of the specification. The new sheet drawing Fig. 28 is supported by the teachings of an embodiment of the invention in the specification in which all matter in Fig. 28 are from the matter in Example A and the teachings on pages 49-58 of the specification.

The new sheet drawings Figs. 29-31 in Enclosure A show tables of safe start time intervals in Example 15, pages 115-116 of the specification. The new sheet drawings

Figs. 29-31 are supported by the teachings of an embodiment of the invention in the specification in which all matter in Figs. 29-31 are from Example 15 and the teachings on pages 115-116 of the specification.

The new sheet drawing Fig. 32 in Enclosure A shows a flowchart diagram showing a possible procedure for generating a feasible pre-run-time schedule for periodic processes with hard deadlines and periodic processes with soft deadlines. The new sheet drawing Fig. 32 is supported by the teachings of an embodiment of the invention in the specification in which all matter in Fig. 32 are from the teachings on pages 77-79, and pages 119-121 of the specification.

Why the amendments are needed:

Applicant submits that the new sheets of drawings Figs. 28-32 are needed to show every feature of the invention specified in the claims under 37 CFR 1.83(a). Fig. 28 shows features of the invention specified in claims 121-122. Figs. 29-31 show features of the invention specified in claims 142-144. Fig. 32 shows features of the invention specified in claim 133.

The amendments to the specification correct obvious errors and are needed for proper disclosure and protection of the invention.

Why the amendments were not presented earlier:

Applicant is a *pro se* inventor, and unfortunately Applicant did not detect the need to add the new drawings and correct the mistakes and omissions in the specification earlier.

## **Conclusion**

Applicant submits that the amendments to the specification and drawing figures are (A) needed for proper disclosure or protection of the invention, and (B) require no substantial amount of additional work on the part of the Office, and comply with 37 CFR 1.312. Hence Applicant respectfully requests approval of their entry.

Very respectfully,

A handwritten signature in black ink, appearing to read 'Jia Xu', written in a cursive style.

Jia Xu, Applicant Pro Se

Enclosure A: New Sheets of Drawings

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